



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

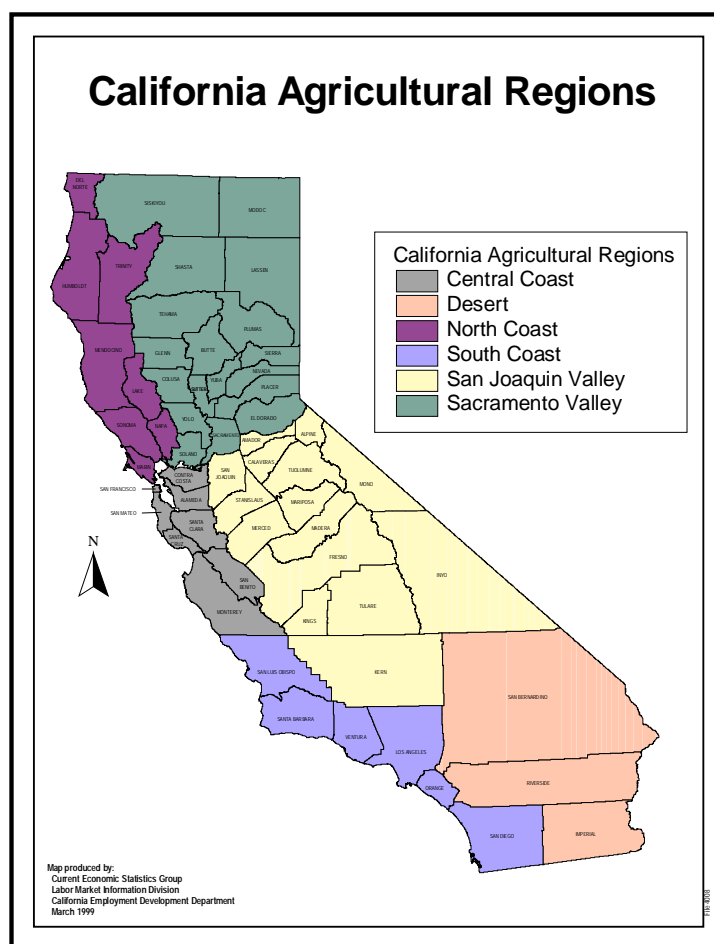
July 2001
(Internet Version)

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Summary

Employment

California agricultural employment for July 2001 increased 300 jobs over the previous month. Total Agricultural Production decreased 1,400 jobs from June 2001 to July 2001, a decline of one percent. Agricultural Services increased by 22,200 jobs, a gain of one percent. Changes in agricultural employment from June to July vary from year to year. The change in California agricultural employment from June 2000 to July 2000 was a decrease of 3,800 jobs.

Dairy Farms registered the largest gain for the month with an increase of 6,600 jobs. Gains of 3,900 were registered in both Vegetable/Melon and Ornamental/Floral/Nursery Crops. The largest decrease was registered in Berry Crops with a loss of 8,300 jobs. Total agricultural employment increased 13 percent in the North Coast Region, nine percent in the Central Coast Region, three percent in the San Joaquin Valley Region, and one percent in the Sacramento Valley Region. Agricultural employment decreased 37 percent in the Desert Region while the South Coast Region was unchanged.

Production and Crop Activity

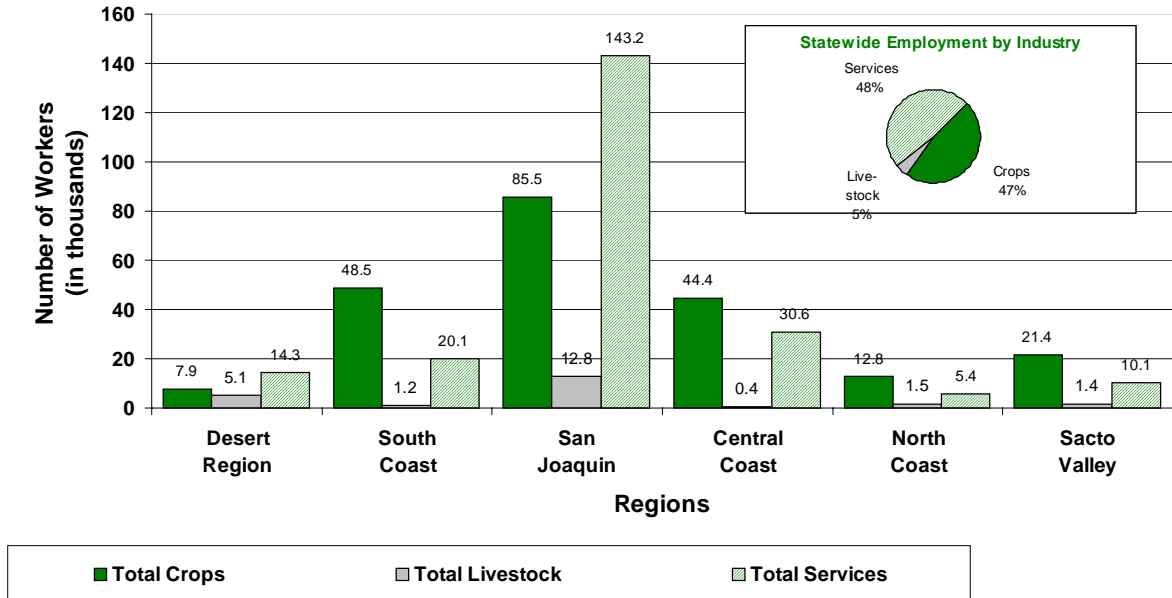
Crews were thinning and weeding cotton fields in some areas while others were being cultivated and treated for mites. The harvesting of wheat and barley continued. Straw was baled and stacked. The cutting, windrowing, and baling of alfalfa hay also continued as Sudan grass was cut, dried, baled and stacked. Grain stubble was disced or used for sheep grazing. Many alfalfa growers were irrigating and treating fields for weeds and armyworms. Cornfields were irrigated and treated for mites. Silage corn was harvested in some areas. Harvesting of garbanzo beans and sugar beets was active. Other sugar beet fields were treated for weeds. Aerial herbicide applications were ongoing in rice fields. Shade cloth was put up to prevent sunburn on larger varieties of fresh market tomatoes. Summer vegetable fields were irrigated and treated for insect pests. Cantaloupes, honeydews, and watermelons were harvested and packed in the San Joaquin Valley. Harvested melon fields in the Imperial Valley were disced for suppression of white fly populations. In the Sacramento Valley and Stockton Delta regions, tomato and melon fields were treated for aphids, mites, cucumber beetles, loopers, and worms. Southern California carrot fields were treated for weeds. The San Joaquin Valley onion harvest was in full swing. Fresh market garlic was being picked up after drying in the fields. The celery harvest was active and early-planted fields of sweet corn were harvested. Other vegetables harvested during the month included basil, beets, bell peppers, broccoli, carrots, cauliflower, cilantro, collards, cucumbers, eggplant, garlic, green beans, green onions, lettuce, okra, parsley, hot peppers, spinach, squash, tomatoes, and zucchini.

Fruit growers continued cultural activities that included weed control, and fungicide applications. Grapes were treated for fungal diseases and insecticides were applied. Grape harvesting continued in the Coachella Valley while the harvest of peaches and other stone fruits accelerated in the San Joaquin Valley. Post harvest pruning began in some stone fruit orchards. Insecticides and fungicides were applied to apple trees and gala variety apples were harvested. Grapefruit picking was active in Riverside County and the harvesting of Valencia oranges continued. Pear harvesting was active in the Sacramento Delta and San Joaquin Valley. Lemon harvesting was active in the South Coast Region. Walnut orchards were treated for weeds, blight, and codling moth. Almond growers supported limbs to bear the weight of heavy nut set.

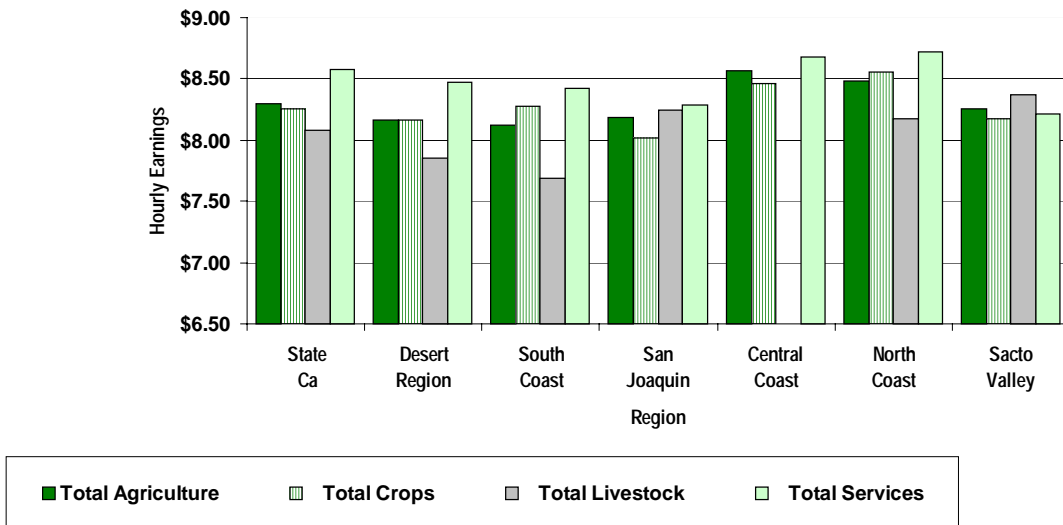
Range cattle were fed supplemental hay as needed. Evaporative coolers and fans were used on chicken and turkey ranches to reduce heat losses. Bee activity continued in vegetable fields and hives were placed in vineseed, alfalfa seed, and safflower fields.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	466.6	466.3	474.2
Total Agricultural Production/Crops	220.5	223.0	224.8
Cash Grains	3.6	4.0	2.5
Rice	2.3	2.4	1.5
Other Cash Grains	1.3	1.6	1.0
Field Crops Except Grains	18.8	21.8	12.6
Cotton	8.2	7.7	6.9
Other Field Crops	10.6	14.1	5.7
Vegetables and Melons	43.7	39.8	39.6
Total Fruits and Tree Nuts	87.0	99.6	99.0
Berries	16.3	24.6	17.6
Grapes	33.4	37.2	41.5
Tree Nuts	3.0	5.6	7.8
Citrus Fruits	4.1	2.4	4.5
Deciduous Tree Fruit	14.4	13.5	19.1
Other Fruits & Nuts	15.8	16.3	8.5
Total Horticultural Specialties	36.8	30.8	38.3
Ornamental Floral & Nursery	34.2	30.3	34.5
Food Crops Grown Under Cover	2.6	0.5	3.8
General Farm Primarily Crop	30.6	27.0	32.8
Agricultural Production/Livestock	22.4	21.3	28.8
Beef Cattle Feed Lots	0.2	1.2	0.8
Beef Cattle Except Feed Lots	0.4	2.2	3.4
Dairy Farms	14.5	7.9	16.4
Chicken Eggs	2.0	4.8	2.4
Turkey & Turkey Eggs	0.3	0.4	0.9
Other Livestock	5.0	4.8	4.9
Total Agricultural Services	223.7	222.0	220.6
Soil Preparation Services	3.0	1.6	1.5
Crop Services	51.9	55.9	55.2
Plant Cultivate & Protection	4.8	8.7	7.4
Harvest Primarily by Machine	5.6	4.8	7.5
Preparation Services for Market	40.6	41.9	39.3
Cotton Ginning	0.9	0.5	1.0
Total Farm Labor & Management	168.8	164.5	163.9
Farm Labor Contractors	153.3	151.3	150.8
Farm Management Services	15.5	13.2	13.1

Average Hourly Earnings (In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.30	8.23	8.09
Total Agricultural Production/Crops	8.26	8.17	8.01
Cash Grains	8.34	8.37	8.26
Rice	8.54	8.54	8.27
Other Cash Grains	8.14	8.19	8.26
Field Crops Except Grains	8.35	7.91	7.90
Cotton	8.51	7.70	7.77
Other Field Crops	8.20	8.13	8.04
Vegetables and Melons	8.25	8.13	7.99
Total Fruits and Tree Nuts	8.09	8.04	7.91
Berries	7.90	7.75	8.18
Grapes	8.27	8.05	7.84
Tree Nuts	7.78	8.05	7.97
Citrus Fruits	7.86	7.94	7.76
Deciduous Tree Fruit	8.24	8.11	7.62
Other Fruits & Nuts	8.50	8.36	8.08
Total Horticultural Specialties	8.20	8.36	8.13
Ornamental Floral & Nursery	8.25	8.29	8.04
Food Crops Grown Under Cover	8.15	8.43	8.22
General Farm Primarily Crop	8.30	8.22	7.89
Agricultural Production/Livestock	8.08	8.07	7.86
Beef Cattle Feed Lots	8.17	8.11	8.06
Beef Cattle Except Feed Lots	8.31	8.35	8.14
Dairy Farms	8.50	8.56	8.19
Chicken Eggs	7.20	7.33	7.00
Turkey & Turkey Eggs	7.97	7.71	7.77
Other Livestock	8.33	8.37	7.98
Total Agricultural Services	8.57	8.45	8.41
Soil Preparation Services	8.71	8.33	8.58
Crop Services	8.81	8.75	8.58
Plant Cultivate & Protection	8.63	8.57	8.36
Harvest Primarily by Machine	8.91	8.84	8.47
Preparation Services for Market	8.17	8.13	8.09
Cotton Ginning	9.52	9.44	9.39
Total Farm Labor & Management	8.20	8.27	8.07
Farm Labor Contractors	7.97	8.12	7.85
Farm Management Services	8.44	8.43	8.29

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	75.4	68.9	74.6
Total Agricultural Production/Crops	44.4	44.1	42.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	4.7	6.7	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	4.7	6.7	0.2
Vegetables and Melons	15.6	11.6	16.6
Total Fruits and Tree Nuts	11.3	16.6	12.9
Berries	8.8	13.3	10.5
Grapes	0.7	0.5	1.1
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.0	0.1	0.8
Other Fruits & Nuts	1.8	2.7	0.3
Total Horticultural Specialties	7.4	5.7	9.9
Ornamental Floral & Nursery	5.9	5.2	7.7
Food Crops Grown Under Cover	1.5	0.5	2.2
General Farm Primarily Crop	5.4	3.5	3.1
Agricultural Production/Livestock	0.4	0.0	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.4	0.0	0.4
Total Agricultural Services	30.6	24.8	30.9
Soil Preparation Services	0.4	0.0	0.3
Crop Services	13.7	6.1	11.0
Plant Cultivate & Protection	0.1	2.2	0.9
Harvest Primarily by Machine	3.5	1.9	2.4
Preparation Services for Market	10.1	2.0	7.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	16.5	18.7	19.6
Farm Labor Contractors	15.0	18.6	17.8
Farm Management Services	1.5	0.1	1.8

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.57	8.48	8.09
Total Agricultural Production/Crops	8.46	8.42	8.15
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.48	8.44	7.90
Cotton	na	na	na
Other Field Crops	8.48	8.44	7.90
Vegetables and Melons	8.68	8.53	7.99
Total Fruits and Tree Nuts	8.45	8.25	8.27
Berries	8.28	7.90	8.63
Grapes	8.26	8.19	7.64
Tree Nuts	na	na	8.64
Citrus Fruits	na	na	na
Deciduous Tree Fruit	na	8.15	8.20
Other Fruits & Nuts	8.80	8.74	8.26
Total Horticultural Specialties	8.53	8.47	8.48
Ornamental Floral & Nursery	8.58	8.51	8.64
Food Crops Grown Under Cover	8.47	8.43	8.32
General Farm Primarily Crop	8.16	8.43	8.09
Agricultural Production/Livestock	na	na	7.85
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.26
Dairy Farms	na	na	8.38
Chicken Eggs	na	na	6.85
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	8.49	na	8.00
Total Agricultural Services	8.68	8.54	8.27
Soil Preparation Services	9.09	na	8.25
Crop Services	8.64	8.70	8.40
Plant Cultivate & Protection	8.35	8.60	7.82
Harvest Primarily by Machine	9.08	9.11	8.87
Preparation Services for Market	8.48	8.38	8.50
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.31	8.38	8.15
Farm Labor Contractors	8.08	8.04	7.81
Farm Management Services	8.53	8.72	8.49

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	27.3	43.4	32.5
Total Agricultural Production/Crops	7.9	15.1	10.1
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	0.9	0.3	1.6
Cotton	0.1	0.0	0.1
Other Field Crops	0.8	0.3	1.5
Vegetables and Melons	2.2	2.8	2.0
Total Fruits and Tree Nuts	3.7	8.5	3.0
Berries	0.0	0.2	0.1
Grapes	0.6	6.9	1.2
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	1.3	0.2	0.5
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.8	1.2	0.9
Total Horticultural Specialties	0.7	0.7	1.5
Ornamental Floral & Nursery	0.7	0.7	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	0.4	2.8	1.9
Agricultural Production/Livestock	5.1	5.4	5.3
Beef Cattle Feed Lots	0.0	0.7	0.2
Beef Cattle Except Feed Lots	0.0	0.3	0.6
Dairy Farms	2.9	0.7	2.7
Chicken Eggs	1.2	2.8	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.0	0.9	0.6
Total Agricultural Services	14.3	22.9	17.1
Soil Preparation Services	0.0	0.1	0.2
Crop Services	3.8	5.0	3.9
Plant Cultivate & Protection	0.4	0.3	0.4
Harvest Primarily by Machine	0.5	0.4	1.0
Preparation Services for Market	2.8	4.2	2.0
Cotton Ginning	0.1	0.1	0.5
Total Farm Labor & Management	10.5	17.8	13.0
Farm Labor Contractors	10.2	16.7	11.1
Farm Management Services	0.3	1.1	1.9

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.17	8.12	8.06
Total Agricultural Production/Crops	8.17	7.98	8.01
Cash Grains	na	na	8.65
Rice	na	na	na
Other Cash Grains	na	na	8.65
Field Crops Except Grains	8.84	8.09	7.94
Cotton	9.61	na	8.02
Other Field Crops	8.07	8.09	7.86
Vegetables and Melons	7.87	7.81	7.90
Total Fruits and Tree Nuts	8.03	7.87	7.69
Berries	na	7.55	7.97
Grapes	7.86	7.64	7.55
Tree Nuts	na	na	7.10
Citrus Fruits	7.61	7.84	7.50
Deciduous Tree Fruit	na	na	7.74
Other Fruits & Nuts	8.61	8.43	8.27
Total Horticultural Specialties	7.84	7.99	8.19
Ornamental Floral & Nursery	7.84	7.99	7.81
Food Crops Grown Under Cover	na	na	8.56
General Farm Primarily Crop	8.26	8.15	7.70
Agricultural Production/Livestock	7.86	7.95	7.78
Beef Cattle Feed Lots	na	8.05	7.59
Beef Cattle Except Feed Lots	na	7.93	7.51
Dairy Farms	8.50	8.52	8.57
Chicken Eggs	7.13	7.13	7.26
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.94	8.11	7.98
Total Agricultural Services	8.47	8.42	8.39
Soil Preparation Services	na	7.97	8.49
Crop Services	8.77	8.80	8.46
Plant Cultivate & Protection	8.47	8.41	8.27
Harvest Primarily by Machine	9.55	9.26	8.67
Preparation Services for Market	7.83	7.92	7.83
Cotton Ginning	9.23	9.60	9.06
Total Farm Labor & Management	8.18	8.51	8.22
Farm Labor Contractors	7.92	8.69	8.23
Farm Management Services	8.43	8.32	8.21

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	19.7	17.5	19.0
Total Agricultural Production/Crops	12.8	9.5	13.1
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	1.0	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	1.0	0.1
Vegetables and Melons	0.3	0.4	0.3
Total Fruits and Tree Nuts	8.8	6.0	10.5
Berries	0.0	0.0	0.0
Grapes	6.4	4.9	9.6
Tree Nuts	0.0	0.2	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.6	0.5	0.7
Other Fruits & Nuts	0.8	0.4	0.1
Total Horticultural Specialties	1.4	1.6	1.8
Ornamental Floral & Nursery	1.4	1.6	1.6
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	2.3	0.5	0.4
Agricultural Production/Livestock	1.5	1.5	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.1	0.0	0.2
Dairy Farms	1.0	0.8	1.0
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.4	0.7	0.3
Total Agricultural Services	5.4	6.5	4.1
Soil Preparation Services	0.1	0.0	0.1
Crop Services	0.0	0.0	0.8
Plant Cultivate & Protection	0.0	0.0	0.2
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.3	6.5	3.2
Farm Labor Contractors	0.7	1.6	0.9
Farm Management Services	4.6	4.9	2.3

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.49	8.46	8.25
Total Agricultural Production/Crops	8.56	8.45	8.39
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.47	8.47	8.66
Cotton	na	na	na
Other Field Crops	8.47	8.47	8.66
Vegetables and Melons	8.64	8.24	8.53
Total Fruits and Tree Nuts	8.78	8.66	8.40
Berries	na	na	na
Grapes	8.76	8.74	8.54
Tree Nuts	na	8.69	8.55
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.87	8.57	8.28
Other Fruits & Nuts	8.71	8.65	8.24
Total Horticultural Specialties	8.48	8.52	8.32
Ornamental Floral & Nursery	8.48	8.52	8.29
Food Crops Grown Under Cover	na	na	8.35
General Farm Primarily Crop	8.43	8.35	8.06
Agricultural Production/Livestock	8.17	8.38	7.79
Beef Cattle Feed Lots	na	na	8.55
Beef Cattle Except Feed Lots	8.00	na	8.14
Dairy Farms	8.18	8.18	7.75
Chicken Eggs	na	na	6.94
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	8.34	8.57	7.62
Total Agricultural Services	8.73	8.57	8.55
Soil Preparation Services	8.92	na	8.69
Crop Services	na	na	8.49
Plant Cultivate & Protection	na	na	8.36
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.61
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.53	8.57	8.48
Farm Labor Contractors	8.15	8.30	7.95
Farm Management Services	8.91	8.84	9.01

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	69.8	70.1	66.6
Total Agricultural Production/Crops	48.5	51.2	45.6
Cash Grains	0.3	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.3	0.1	0.1
Field Crops Except Grains	2.3	2.2	0.3
Cotton	0.0	0.0	0.0
Other Field Crops	2.3	2.2	0.3
Vegetables and Melons	9.6	8.7	10.4
Total Fruits and Tree Nuts	16.0	20.2	12.4
Berries	7.5	11.1	6.7
Grapes	0.3	0.8	2.3
Tree Nuts	0.3	0.1	0.1
Citrus Fruits	1.9	0.8	1.6
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	6.0	7.4	1.6
Total Horticultural Specialties	17.9	15.7	18.3
Ornamental Floral & Nursery	17.2	15.7	17.4
Food Crops Grown Under Cover	0.7	0.0	0.9
General Farm Primarily Crop	2.4	4.3	4.1
Agricultural Production/Livestock	1.2	1.9	2.1
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.2	0.3
Dairy Farms	0.0	0.0	0.2
Chicken Eggs	0.2	0.6	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.0	1.1	1.2
Total Agricultural Services	20.1	17.0	18.9
Soil Preparation Services	0.3	1.0	0.2
Crop Services	2.5	3.5	3.4
Plant Cultivate & Protection	1.6	0.8	0.6
Harvest Primarily by Machine	0.0	0.0	0.7
Preparation Services for Market	0.9	2.7	2.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	17.3	12.5	15.3
Farm Labor Contractors	15.0	11.2	13.8
Farm Management Services	2.3	1.3	1.5

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.13	8.23	8.15
Total Agricultural Production/Crops	8.27	8.22	8.19
Cash Grains	8.50	8.71	8.34
Rice	na	na	na
Other Cash Grains	8.50	8.71	8.34
Field Crops Except Grains	8.29	8.09	8.29
Cotton	na	na	na
Other Field Crops	8.29	8.09	8.29
Vegetables and Melons	8.11	8.13	8.06
Total Fruits and Tree Nuts	8.01	8.12	7.94
Berries	7.51	7.81	8.08
Grapes	8.17	8.15	8.09
Tree Nuts	7.60	7.60	7.50
Citrus Fruits	8.39	8.44	8.35
Deciduous Tree Fruit	na	na	7.14
Other Fruits & Nuts	8.40	8.60	8.47
Total Horticultural Specialties	8.17	8.03	8.25
Ornamental Floral & Nursery	8.27	8.03	8.02
Food Crops Grown Under Cover	8.06	na	8.47
General Farm Primarily Crop	8.57	8.21	8.27
Agricultural Production/Livestock	7.69	8.08	8.01
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	8.49	8.65
Dairy Farms	na	na	8.32
Chicken Eggs	7.09	7.48	7.00
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.28	8.28	8.08
Total Agricultural Services	8.42	8.40	8.23
Soil Preparation Services	8.60	8.58	8.73
Crop Services	8.48	8.43	8.14
Plant Cultivate & Protection	8.80	8.65	8.66
Harvest Primarily by Machine	na	na	8.00
Preparation Services for Market	8.15	8.21	7.75
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.18	8.19	7.83
Farm Labor Contractors	8.05	8.01	7.95
Farm Management Services	8.30	8.36	7.71

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	241.5	235.3	247.1
Total Agricultural Production/Crops	85.5	83.6	90.6
Cash Grains	0.5	1.8	0.5
Rice	0.3	0.7	0.1
Other Cash Grains	0.2	1.1	0.4
Field Crops Except Grains	10.5	11.1	9.4
Cotton	8.1	7.7	6.8
Other Field Crops	2.4	3.4	2.6
Vegetables and Melons	12.1	12.1	7.6
Total Fruits and Tree Nuts	39.3	40.1	50.2
Berries	0.0	0.0	0.1
Grapes	25.3	22.6	26.2
Tree Nuts	1.7	3.7	4.8
Citrus Fruits	0.9	1.4	2.4
Deciduous Tree Fruit	6.8	8.6	12.2
Other Fruits & Nuts	4.6	3.8	4.5
Total Horticultural Specialties	7.6	5.9	4.5
Ornamental Floral & Nursery	7.2	5.9	4.3
Food Crops Grown Under Cover	0.4	0.0	0.2
General Farm Primarily Crop	15.5	12.6	18.4
Agricultural Production/Livestock	12.8	10.8	17.0
Beef Cattle Feed Lots	0.2	0.5	0.4
Beef Cattle Except Feed Lots	0.3	0.7	1.5
Dairy Farms	10.6	6.0	11.9
Chicken Eggs	0.6	1.4	0.6
Turkey & Turkey Eggs	0.3	0.4	0.7
Other Livestock	0.8	1.8	1.9
Total Agricultural Services	143.2	140.9	139.5
Soil Preparation Services	2.2	0.5	0.6
Crop Services	29.1	38.9	33.2
Plant Cultivate & Protection	2.3	5.0	4.6
Harvest Primarily by Machine	1.3	1.7	2.9
Preparation Services for Market	24.7	31.8	25.2
Cotton Ginning	0.8	0.4	0.5
Total Farm Labor & Management	111.9	101.5	105.7
Farm Labor Contractors	105.1	96.2	100.5
Farm Management Services	6.8	5.3	5.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.18	8.16	8.01
Total Agricultural Production/Crops	8.02	7.99	7.69
Cash Grains	8.00	8.11	8.04
Rice	8.27	8.27	8.30
Other Cash Grains	7.72	7.94	7.77
Field Crops Except Grains	7.66	7.74	7.52
Cotton	7.41	7.70	7.51
Other Field Crops	7.90	7.77	7.52
Vegetables and Melons	8.46	8.00	7.82
Total Fruits and Tree Nuts	7.86	7.67	7.48
Berries	na	na	8.12
Grapes	8.07	7.71	6.98
Tree Nuts	7.86	8.01	7.95
Citrus Fruits	7.58	7.53	7.43
Deciduous Tree Fruit	7.70	7.58	7.04
Other Fruits & Nuts	8.10	7.52	7.36
Total Horticultural Specialties	7.88	8.23	7.70
Ornamental Floral & Nursery	7.84	8.23	7.54
Food Crops Grown Under Cover	7.92	na	7.85
General Farm Primarily Crop	8.25	8.17	7.61
Agricultural Production/Livestock	8.25	8.18	7.95
Beef Cattle Feed Lots	8.17	8.17	7.86
Beef Cattle Except Feed Lots	8.61	8.37	8.36
Dairy Farms	8.83	8.84	8.35
Chicken Eggs	7.39	7.39	6.93
Turkey & Turkey Eggs	7.97	7.71	7.81
Other Livestock	8.53	8.60	8.39
Total Agricultural Services	8.29	8.32	8.38
Soil Preparation Services	8.24	8.43	8.72
Crop Services	8.75	8.63	8.59
Plant Cultivate & Protection	8.68	8.62	8.59
Harvest Primarily by Machine	8.43	8.56	8.54
Preparation Services for Market	8.08	8.04	7.51
Cotton Ginning	9.81	9.28	9.71
Total Farm Labor & Management	7.87	7.91	7.85
Farm Labor Contractors	7.73	7.72	7.44
Farm Management Services	8.01	8.09	8.25

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	32.9	31.1	34.2
Total Agricultural Production/Crops	21.4	19.5	22.5
Cash Grains	2.8	2.1	1.8
Rice	2.0	1.7	1.4
Other Cash Grains	0.8	0.4	0.4
Field Crops Except Grains	0.4	0.5	1.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.4	0.5	1.0
Vegetables and Melons	3.9	4.2	2.7
Total Fruits and Tree Nuts	7.9	8.2	10.0
Berries	0.0	0.0	0.2
Grapes	0.1	1.5	1.1
Tree Nuts	1.0	1.6	2.4
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	6.0	4.3	5.2
Other Fruits & Nuts	0.8	0.8	1.1
Total Horticultural Specialties	1.8	1.2	2.1
Ornamental Floral & Nursery	1.8	1.2	2.1
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	4.6	3.3	4.9
Agricultural Production/Livestock	1.4	1.7	1.6
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	1.0	0.5
Dairy Farms	0.0	0.4	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.4	0.3	0.5
Total Agricultural Services	10.1	9.9	10.1
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.8	2.4	2.9
Plant Cultivate & Protection	0.4	0.4	0.7
Harvest Primarily by Machine	0.3	0.8	0.5
Preparation Services for Market	2.1	1.2	1.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	7.3	7.5	7.1
Farm Labor Contractors	7.3	7.0	6.7
Farm Management Services	0.0	0.5	0.4

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jul 2001	Jun 2001	Jul 2000
Total Agriculture	8.25	8.29	8.04
Total Agricultural Production/Crops	8.17	8.13	7.88
Cash Grains	8.50	8.37	8.25
Rice	8.81	8.81	8.23
Other Cash Grains	8.19	7.92	8.27
Field Crops Except Grains	7.96	7.90	8.03
Cotton	na	na	na
Other Field Crops	7.96	7.90	8.03
Vegetables and Melons	7.73	8.04	7.63
Total Fruits and Tree Nuts	8.22	8.02	7.92
Berries	na	na	8.09
Grapes	8.50	7.87	8.24
Tree Nuts	7.88	7.89	8.05
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.14	8.14	7.32
Other Fruits & Nuts	8.35	8.19	7.89
Total Horticultural Specialties	8.51	8.46	7.85
Ornamental Floral & Nursery	8.51	8.46	7.94
Food Crops Grown Under Cover	na	na	7.75
General Farm Primarily Crop	8.13	7.98	7.62
Agricultural Production/Livestock	8.37	8.52	7.94
Beef Cattle Feed Lots	na	na	8.25
Beef Cattle Except Feed Lots	na	8.59	7.93
Dairy Farms	na	8.69	7.76
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.37	8.29	7.82
Total Agricultural Services	8.22	8.23	8.29
Soil Preparation Services	na	na	8.61
Crop Services	8.57	8.38	8.36
Plant Cultivate & Protection	8.85	8.58	8.45
Harvest Primarily by Machine	8.57	8.43	8.27
Preparation Services for Market	8.29	8.12	8.36
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.87	8.08	7.89
Farm Labor Contractors	7.87	7.93	7.74
Farm Management Services	na	8.23	8.04

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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